



# Intel® Desktop Board DG31GL Specification Update

January 2009

Order Number: E41888-002US

The Intel® Desktop Board DG31GL may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are documented in this Specification Update.

# Revision History

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Revision	Revision History	Date
-001	This document is the first Specification Update for the Intel® Desktop Board DG31GL	April 2008
-002	Update to the General Information Section	January 2009

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The Intel® Desktop Board DG31GL may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Contact your local Intel sales office or your distributor to obtain the latest specifications before placing your product order.

Copies of documents which have an ordering number and are referenced in this document, or other Intel literature, may be obtained from:

Intel Corporation  
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# Specification Update for the Intel® Desktop Board DG31GL

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This document is an update to the specifications contained in the *Intel® Desktop Board DG31GL Technical Product Specification* (Order Number: E35038-002). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain Specification Changes, Errata, Specification Clarifications, and Documentation Changes.

For specification updates concerning the Intel processor that may apply to this desktop board, refer to the following:

- *Intel® Core™2 Extreme Quad-Core Processor QX6000Δ Sequence and Intel® Core™2 Quad Processor Q6000Δ Sequence Specification Update* (Order Number: 315593-014)
- *Intel® Core™2 Extreme Processor X6800Δ and Intel® Core™2 Duo Desktop Processor E6000Δ and E4000Δ Sequence Specification Update* (Order Number: 313279-016)
- *Intel® Pentium® Dual-Core Desktop Processor E2000Δ Sequence Specification Update* (Order Number: 316982-002)
- *Intel® Celeron® Processor 400Δ Sequence Specification Update* (Order Number: 316964-001)

Unless otherwise noted in this document, it should be assumed that any processor errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® G31 Chipset Specification Update* (Order Number 317496-001) for specification updates concerning the 82G33 GMCH Controller and that may apply to the desktop board DG31GL. Unless otherwise noted in this document, it should be assumed that any MCH errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® I/O Controller Hub 7 (ICH7) Family Specification Update* (Order Number 307014) for specification updates concerning the 82801GB ICH7 and 82801GR ICH7R I/O Controller Hub and that may apply to the desktop board DG31GL. Unless otherwise noted in this document, it should be assumed that any ICH 7 errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

# Terminology

**Specification Changes** are modifications to the current published specifications. These changes will be incorporated in the next release of the specifications.

**Errata** are design defects or errors. Characterized errata may cause the desktop board behavior to deviate from published specifications. Hardware and software designed to be used with any given Altered Assembly (AA) and BIOS revision level must assume that all errata documented for that AA and BIOS revision level are present on all desktop boards.

**Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation. These clarifications will be incorporated in the next release of the specifications.

**Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.

## General Information

### Basic Desktop Board DG31GL Identification Information

AA Revision	BIOS Revision	Notes
E33911-200	GLG3110H.86A.0004	1,2
E33911-201	GLG3110H.86A.0004	1,2

Notes:

1. The AA number is found on a small label on the component side of the board.
2. The G31 Chipset kit used on this AA revision consists of two components as follows:

Device	Stepping	S-Spec Numbers
LE82G31	B0	SLASJ

## Summary of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® Desktop Board DG31GL. Intel intends to fix some of the errata in a future revision of the desktop board, and to account for the other outstanding issues through documentation or specification changes as noted.

The following notations are used in the table:

Doc:	Document change or update that will be implemented.
PlanFix:	This erratum may be fixed in a future revision of the desktop board, driver, or BIOS.
Fixed:	This erratum has been previously fixed.
NoFix:	There are no plans to fix this erratum.
Shaded:	This erratum is either new or modified from the previous version of the document.

No.	Plans	Errata
		There is not characterized erratum for this product